

## ABSTRACT

[Abstract]

[Task] A motion picture encoding/decoding system and a motion picture encoding/decoding method which are capable of allowing decrease of power consumption are provided.

[Means of solution] The system and the method are severally provided with a processor 1, a means of calculating necessary operation volume 2 for calculating the volume of operation necessary for encoding/decoding the present frame, and a means of calculating power-supply voltage, substrate bias voltage and operating frequency 3 for calculating a power-supply voltage and a substrate bias voltage and an operating frequency which are capable of encoding/decoding the necessary operation volume within the time allocated in advance to the process of encoding/decoding the present frame. The processor 1 performs the process of encoding/decoding the present frame while operating steadily with the operating frequency and the power-supply voltage and the substrate bias voltage calculated as mentioned above.